



Security Forces Distributed Mission Training (SecForDMT)



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ABD Flight

ABD Flight Leadership Element







Flight Sergeant (M16)

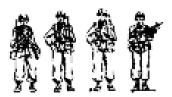


3 Radio/Telephone Operators (RTOs) (M16)

ABD Squad



Squad Leader (M16)



Fire Team Ldr (M16) Machine Gunner (M249) Rifleman (M16) Rifleman/Grenadier (M203)



Fire Team Leader (M16) Machine Gunner (M60) Assistant Gunner (M16) Rifleman/Grenadier (M203)



Fire Team Leader (M16) Machine Gunner (M249) Rifleman (M16) Rifleman/Grenzdier (M203)

SecForDMT Concept

LAN DIS/HLA



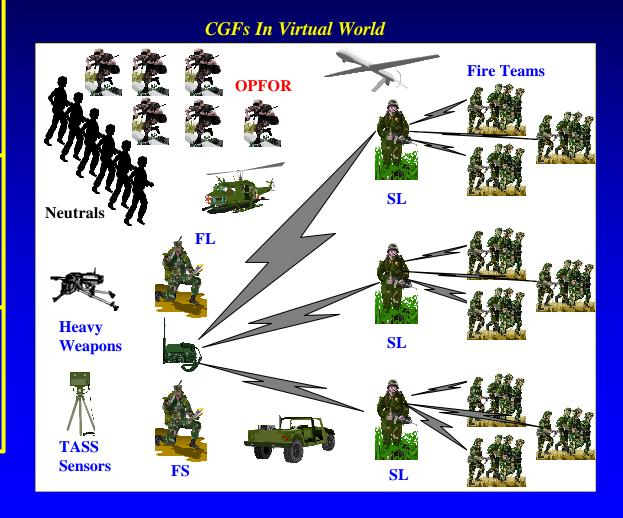
Instructor



Flight Leader Trainee



Flight Sergeant Trainee





Squad Leader Trainee



Squad Leader Trainee



Squad Leader Trainee

Video Game Analogy

SecForDMT Trains Decision-Makers, not Shooters









Requirements

 NEED ID # 109, IMPROVE FORCE PROTECTION CAPABILITY: Ref.: Air Force Modernization Planning, Agile Combat Support Mission Area Plan, FY1998

 SOLUTION ID # ACSSF08, FORCE PROTECTION TRAINING: "Provides training for deployable personnel in anti-terrorism, unique force protection systems, strategies, and simulation /modeling". (Ref: Combat Air Forces Agile Combat Support Mission Area Plan, FY2002)

Goal

 Develop, demonstrate, and evaluate a distributed simulation capability to support training in decisionmaking and team coordination





Technology Development Objectives

- Easy to Use
 - Usable by trainees to control Computer
 Generated Forces
 - Usable by instructors to develop/run exercises
- Affordable
 - Standard PCs
 - No on-site support technician
- Valid
 - No omniscient views



SecForDMT Mission

- Provide affordable distributed team training from home stations several time per year
- Provide distributed initial team training for expeditionary forces in preparation for deployment training at RTCs
- Polish decision-making and communication skills in a joint, multinational environment including NGOs

The Warfighter Training Research Division



Mission

Develop, demonstrate, evaluate, and transition training technologies and methods to train warfighters to win.

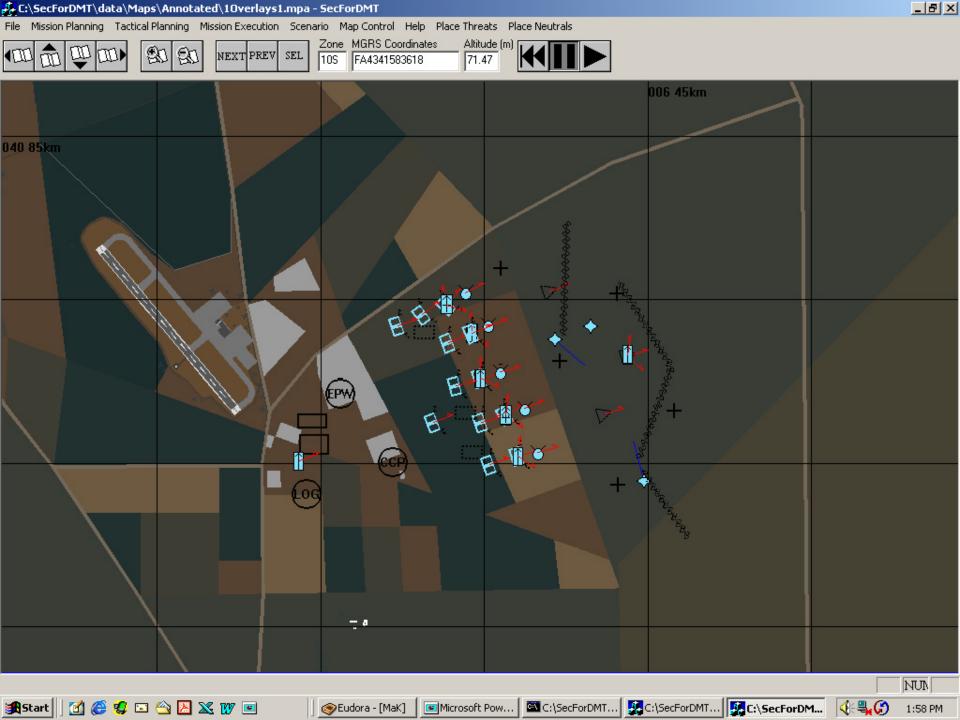
Focus Technology areas

Warfighter Training Effectiveness Behavioral Research and Development

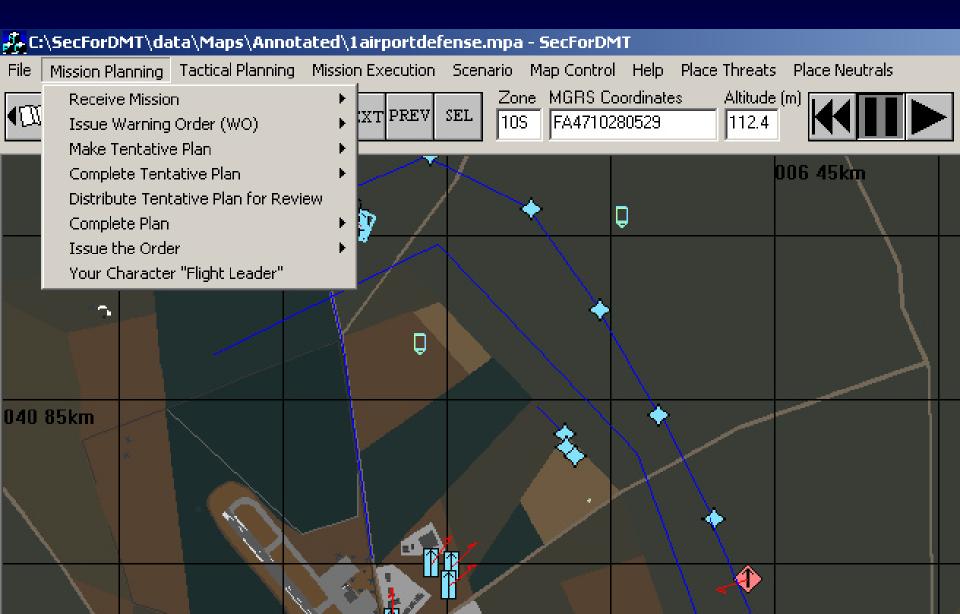
Distributed Mission Training Technology Engineering
Development

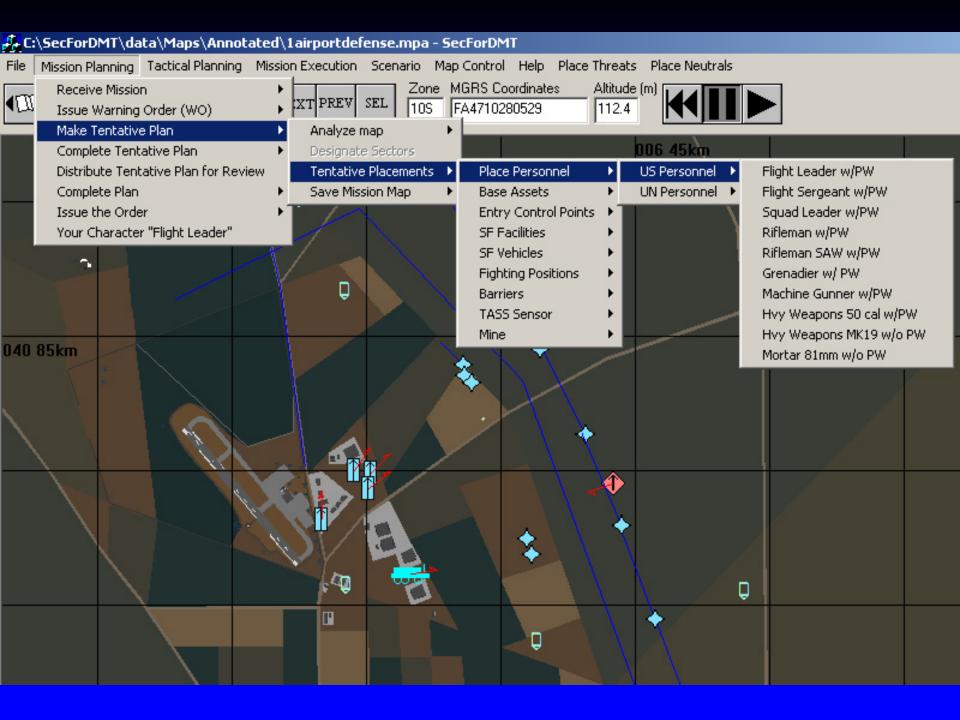
Night Vision Device Aircrew Training Research and Development





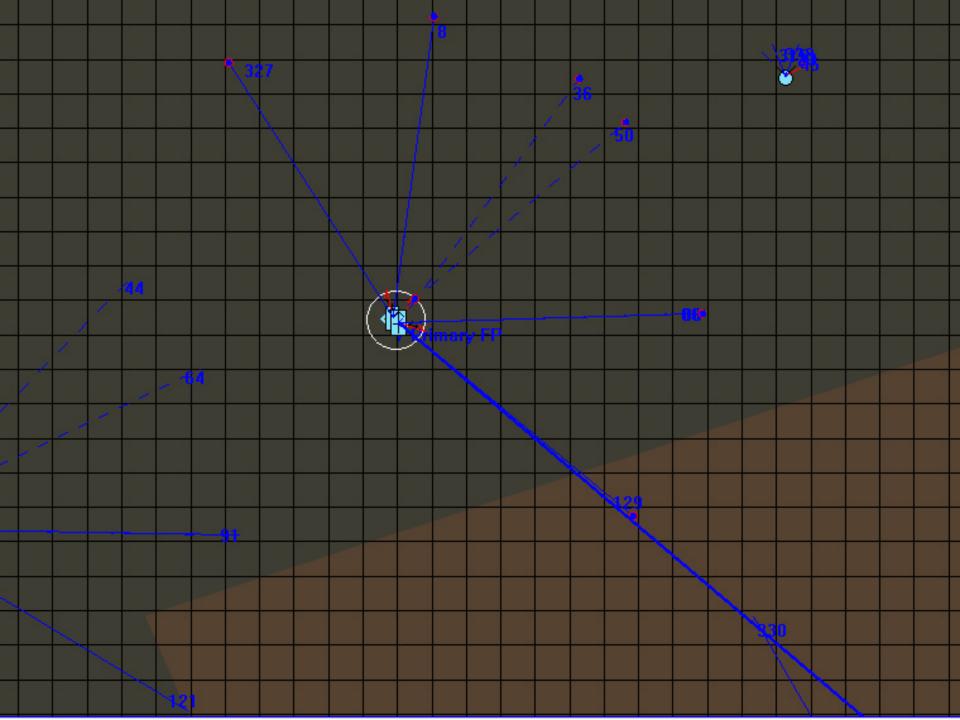
Menus Per FM 7-8

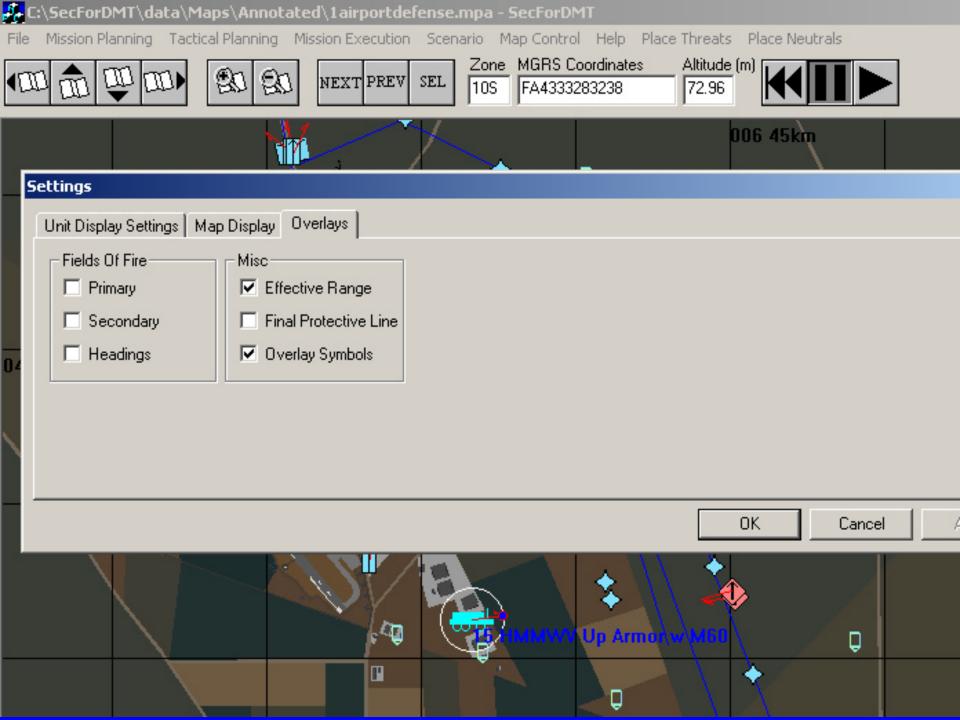


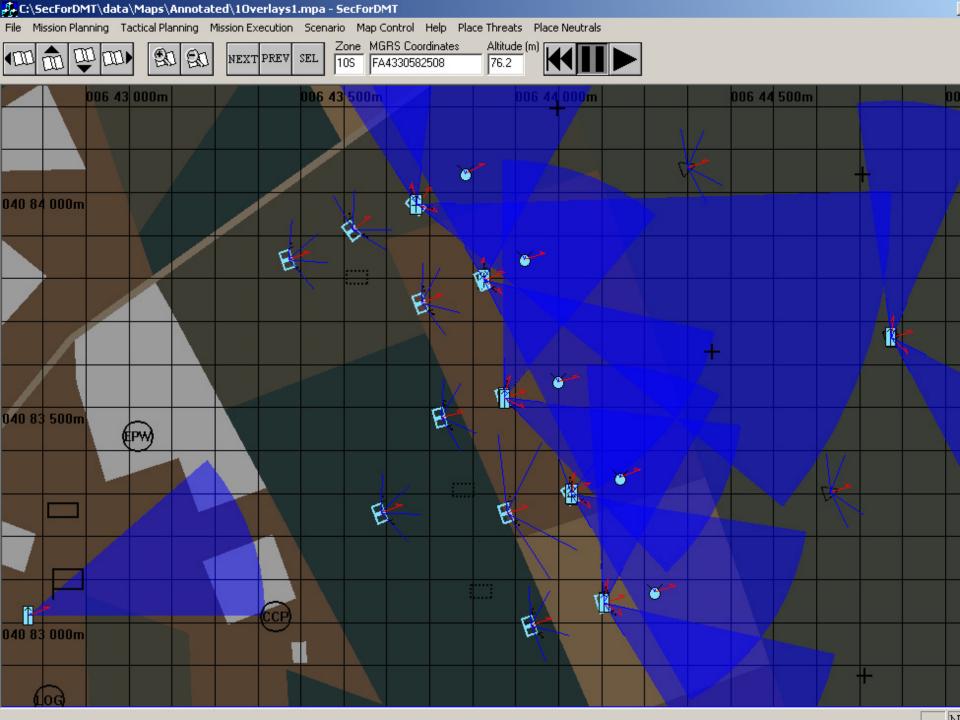


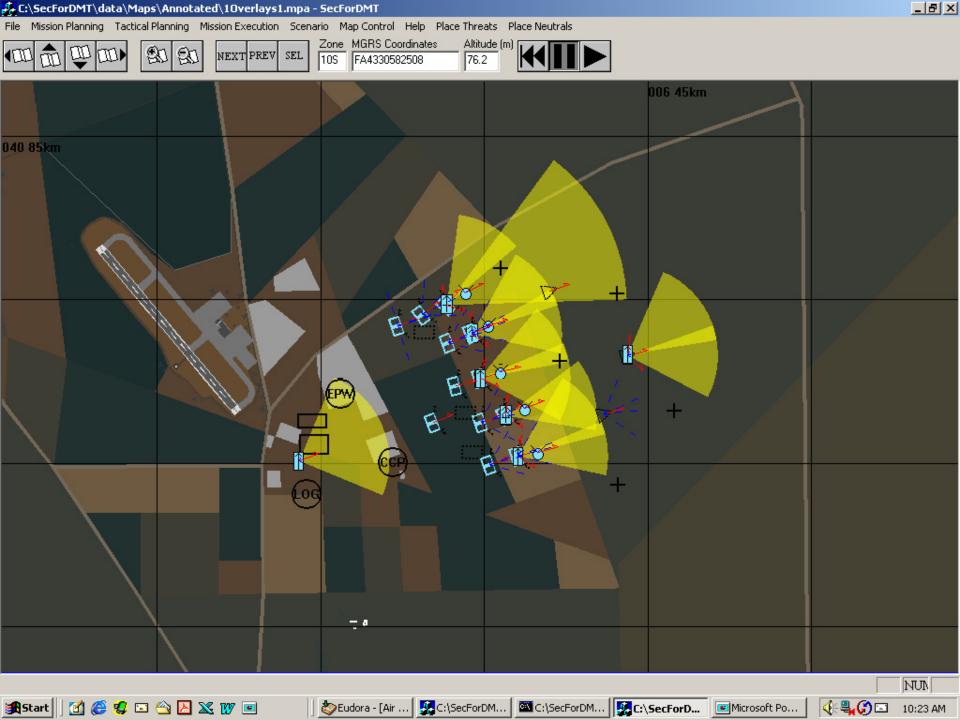
「\data\Maps\Annotated\1airportdefense.mpa - SecForDMT Tactical Planning Mission Execution Scenario Map Control Help Place Threats ing | Place Neutrals Zone MGRS Coordinates Altitude (m) Recieve Warning Order 66.33 FA4482285657 Receive Tentative Plan Open Mission Map in Tentative Plan Reconnoiter Verify Terrain Analysis Determine Dead Spaces 🕨 Create Areas and Observation Points > Receive OPORD Finalize Placements Recommend Changes Determine Visible Terrain Issue Equipment To Personnel Send Recommendations to FL Delete Observation Point Delete Observation Area Issue Radios/Call Signs Issue Telephones Your Character "Squad Leader" Q \mathcal{F} 4 Q

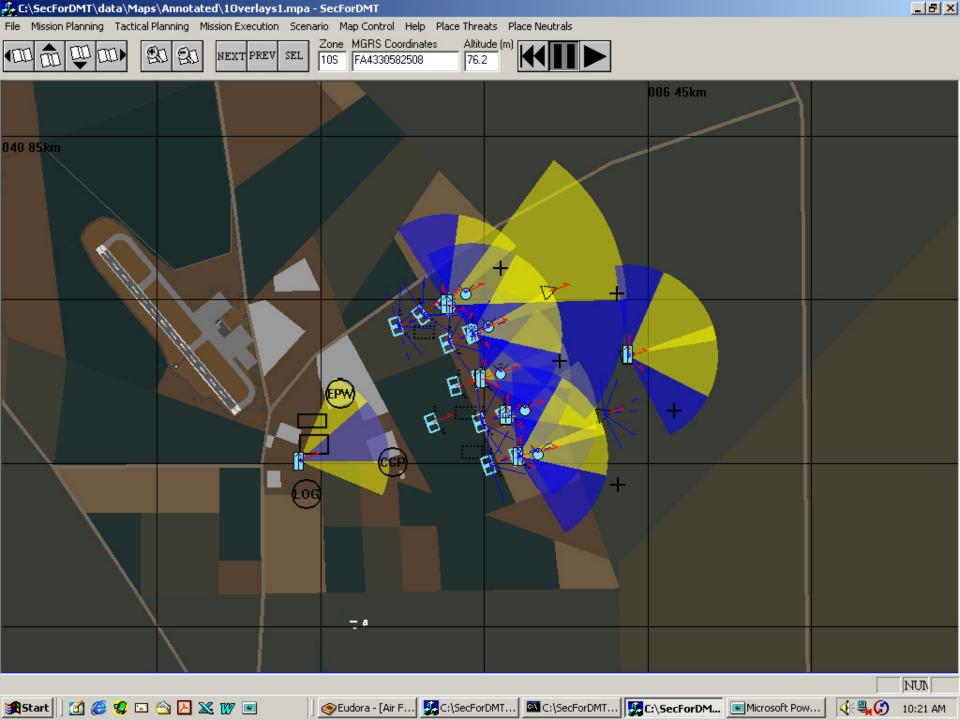


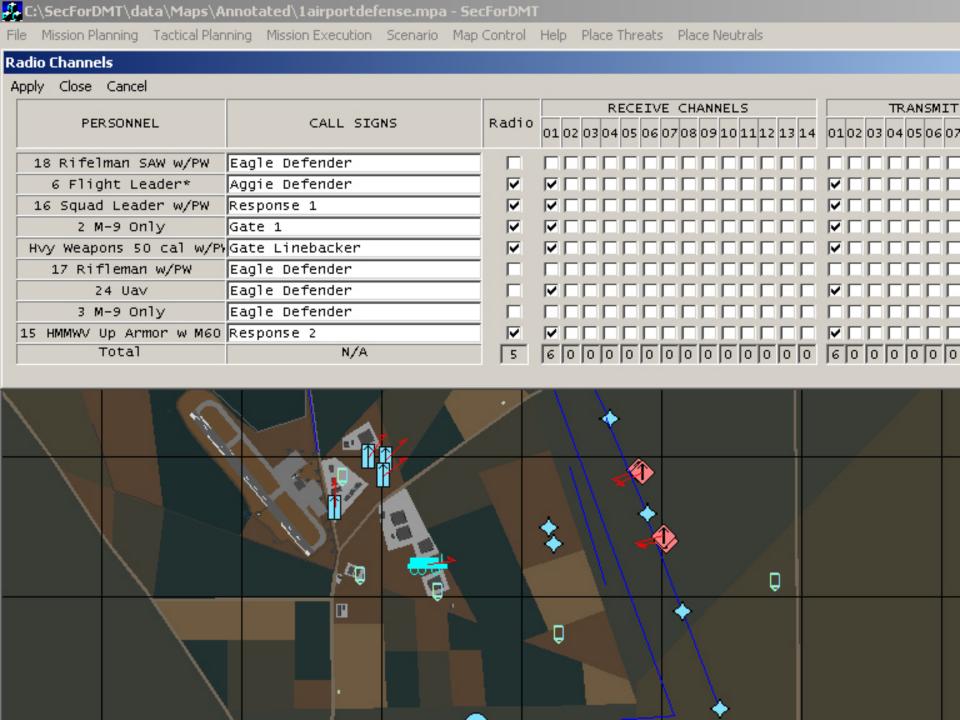


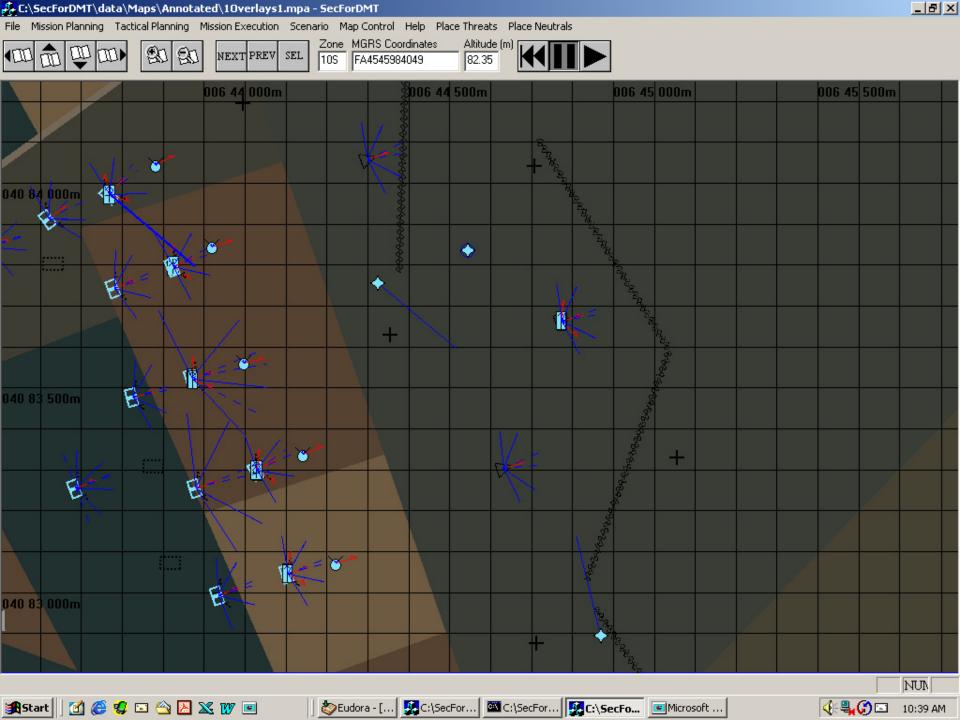


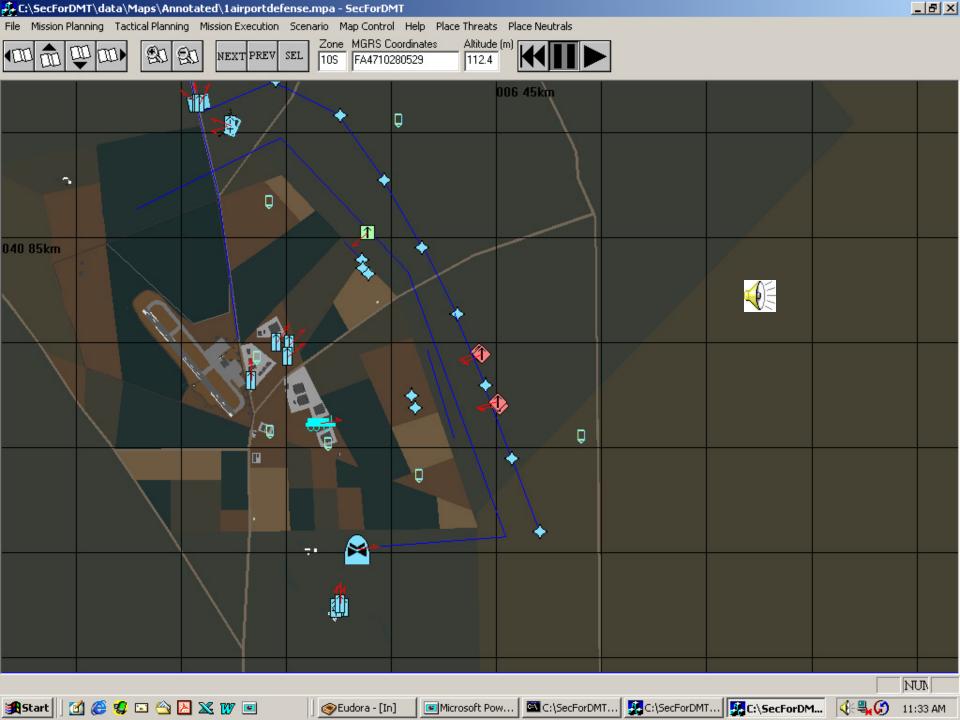


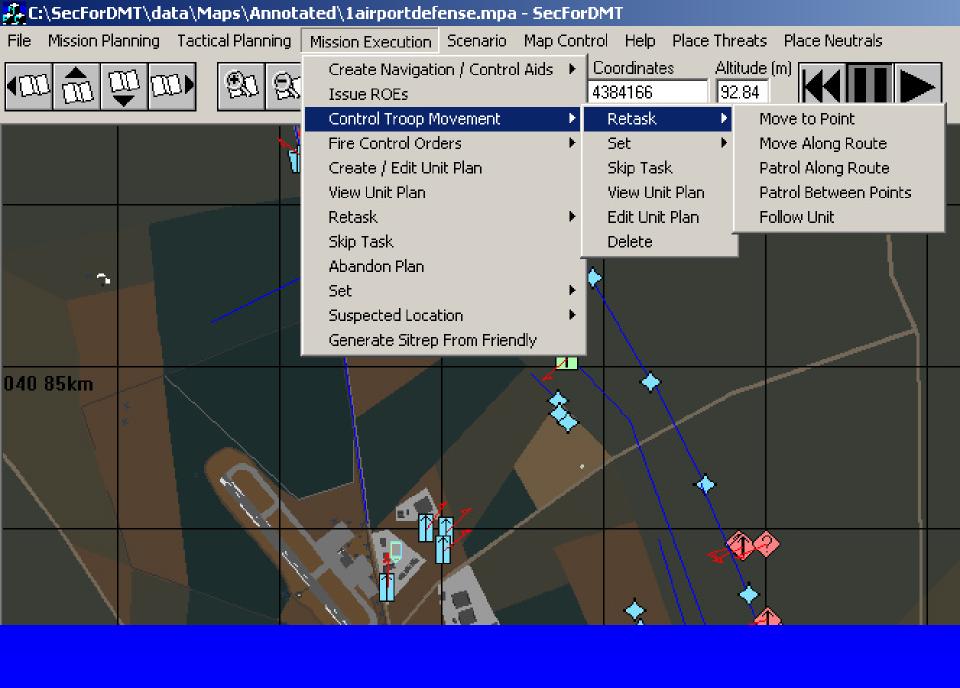


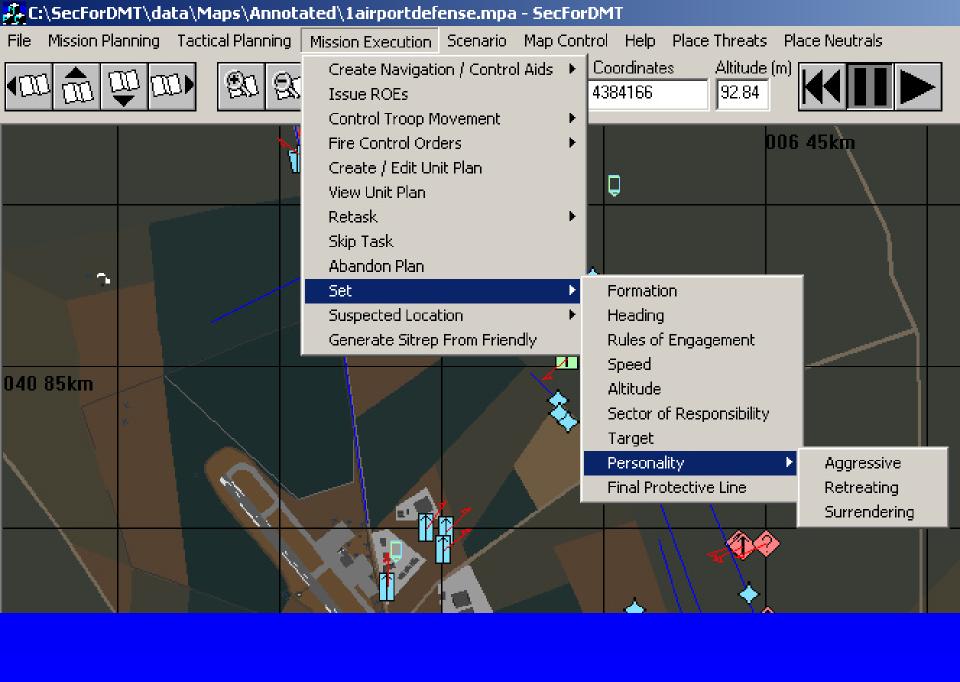


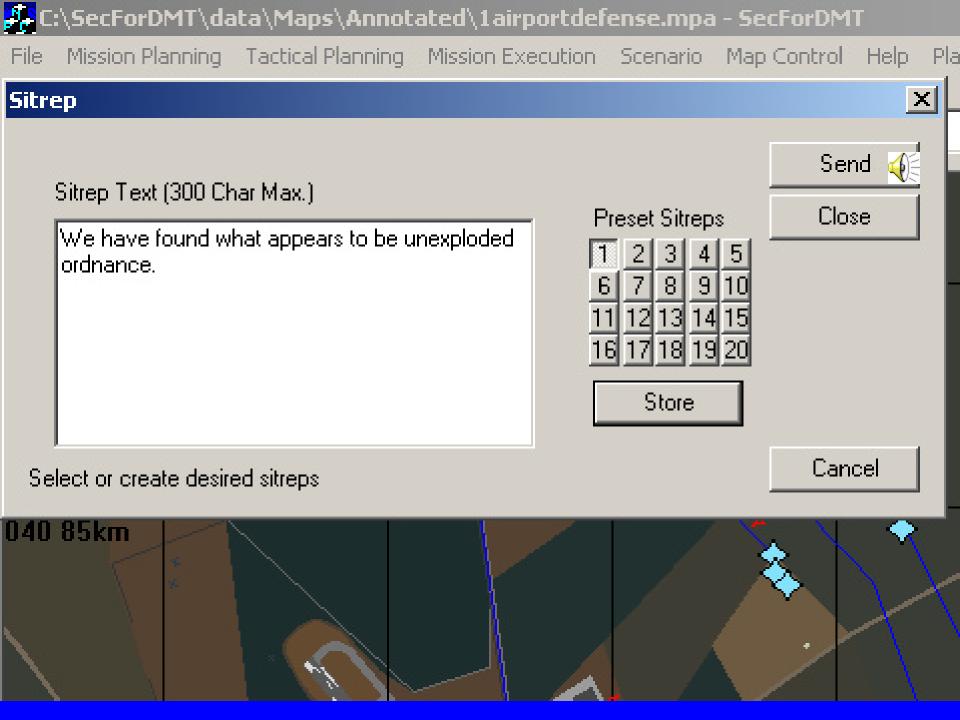


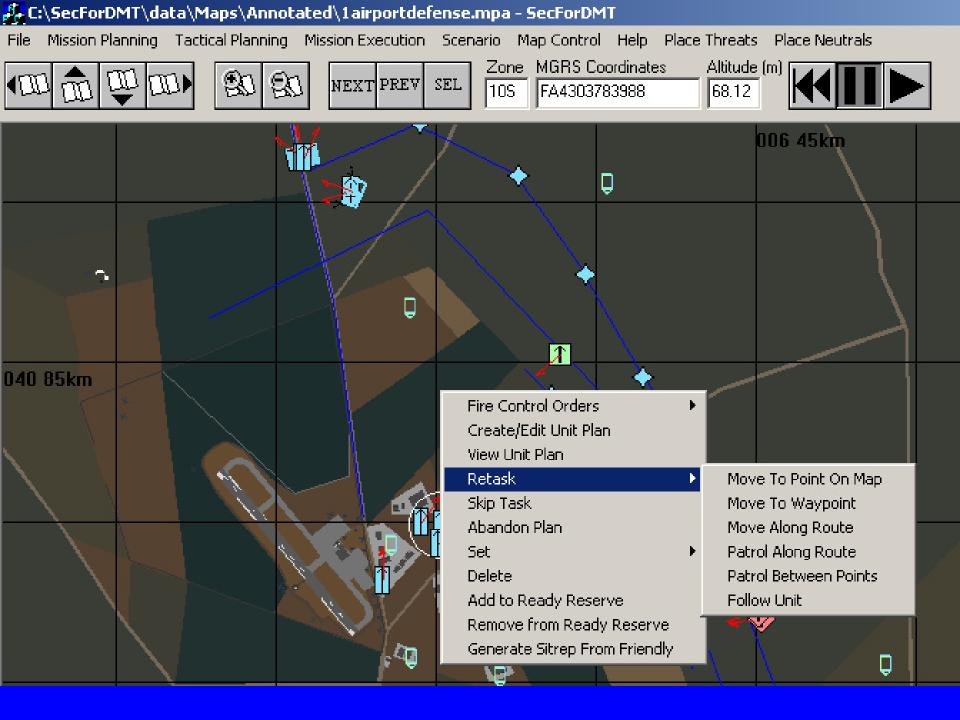






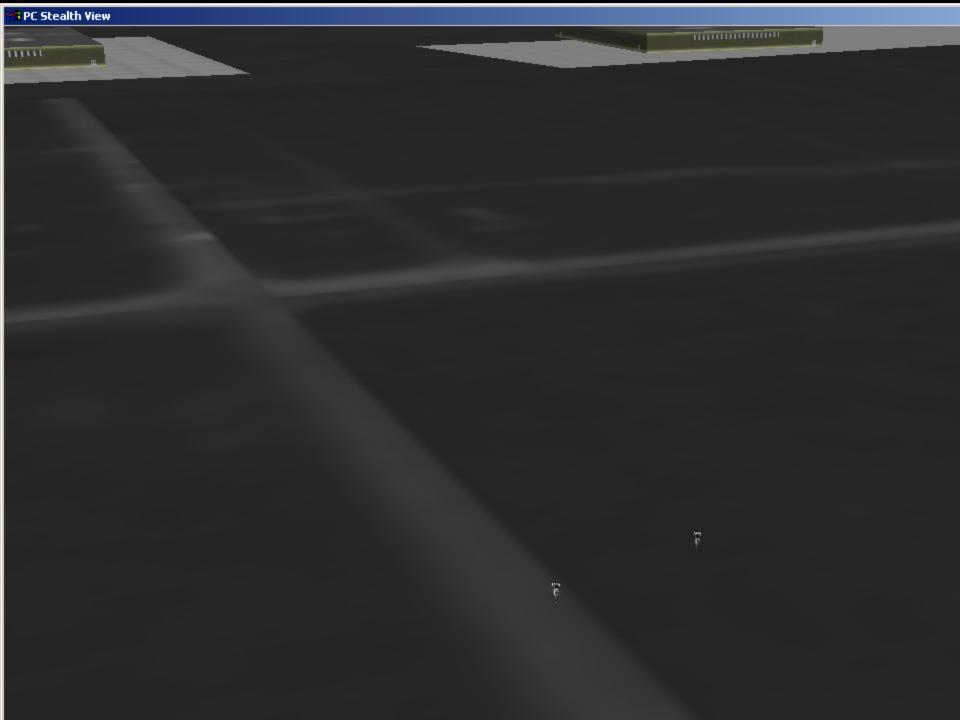


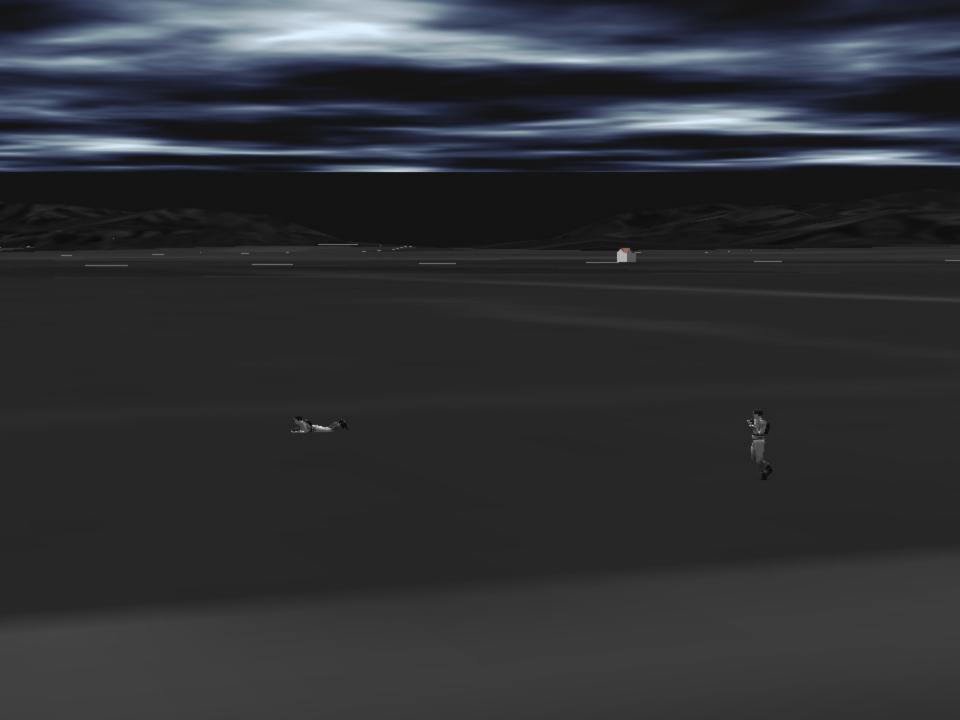












SecForDMT Emphasis

- Work as a team
- Decision-making process
 - Deliberative (Mission Planning)
 - Reactive (Mission Execution)
- Communications per SOI
- Implementation of ROEs
- Simulate outcome of engagements
 - Tactical and Political

Initial Evaluation

- Evaluated by 14 Instructors at SFA
 - SSgt SMSgt, 2Lt Capt.
- Very Positive Instructor Response
 - Effective Teaching Tool, Awesome
 - Ideal for demonstrating ABD rules
 - Loved PVD with symbols from range cards
 - Loved SITREPs (actually more than done)
 - Has great potential

Evaluation Results (Cont'd)

- Some Modifications Needed
 - Implement Binoculars
 - SITREPs per FMs more detailed than actual
 - Would like to duplicate overlays
 - Need more direct fire control, FPL
 - Collateral Damage
 - Patrols & Convoys
- Mixed Review on Stealth
 - Sexy and fun but limited training value

Conclusion

- Increased need for Home Base Force Protection Training
 - Increased criticality of Flight Line Defense
 - Reduced training opportunities at Regional Training
 Centers
- Instructor evaluations
 - SecForDMT technology may be a solution for significant portion of problem
- Significant research still to be done

End of Presentation

- Questions?
- Comments?
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